

The *D. grandiflorum* of ed. 7 of Gray's Manual, then, becomes *D. ACUMINATUM* (Michx.) DC.,<sup>1</sup> while the *D. bracteosum* of Gray's Manual remains *D. BRACTEOSUM* (Michx.) DC.<sup>2</sup> The description of *H. bracteosum* Michx. includes the phrase "stipulis subulatis" which hardly applies to *D. bracteosum* as at present understood, but a copy of the Flora Boreali-Americana annotated by M. L. Fernald in the Michaux Herbarium bears the note "*bracteosum* OK," and Schindler appears also to have examined the type of *H. bracteosum*.

*GLEDITSIA TRIACANTHOS* L., forma **inermis**, n. comb. *G. triacanthos*,  $\beta$ . *inermis* Pursh, Fl. Am. Sept. i. 221 (1814).

Trees lacking the spines of ordinary *G. triacanthos* are of sporadic occurrence with the commoner type, and do not constitute a true variety.

The writer wishes to acknowledge the courtesy of the staff of the Gray Herbarium in making available to him the facilities of that institution.

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## NEW RUST SPECIES AND HOSTS FROM RHODE ISLAND

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FORTY-TWO rust species, and fourteen hosts for thirty previously listed rusts, were reported for the first time as new to Rhode Island by the writer in *The Uredinales or Rusts of Connecticut and the other New England States* (Conn. State Geol. and Nat. Hist. Surv. Bul. 36: 1-198. 1926). The collections were made for the most part by Farlow of Harvard, Collins of Brown, and the author while studying rusts at Yale under Dr. G. P. Clinton. Numerous collections have been made since then by the writer, and five new rust species, two rust varieties, and five new hosts from this state are here reported for the first time. The specimens are in the writer's herbarium at Osborn Botanical Laboratory, Yale University.

In the treatment of rusts in this paper the sequence to show relationship other than that indicated by hosts, and nomenclature used by Arthur in the *Manual of the Rusts in the United States and Canada*, 1934, will be followed. The authorities for the hosts are those of

<sup>1</sup> For synonymy see Schindler, l. c., 258. He takes up *D. glutinosum* Muhl. for this species, but in view of the questionable priority of *D. glutinosum* over *H. acuminatum* it seems inadvisable to displace a name long familiar in American botanical literature.

<sup>2</sup> For synonymy see Schindler, l. c., 276.



*Gray's Manual*, 7th edition. Complete data will be given for each collection. An asterisk preceding the name of the rust indicates that it is new to the state; a double asterisk denotes that it is a new variety, and if only the host is new an asterisk will precede it.

\* UREDINOPSIS MIRABILIS (Peck) Magn. On *Onoclea sensibilis* L.: II, Hopkinton, July 30, '35.

\* PUCCINIASTRUM MYRTILLI (Schum.) Arth. On *Gaylussacia baccata* (Wang.) K. Koch.: II, Exeter, Sept. 1, '31.

\* COLEOSPORIUM VERNONIAE B. & C. On *Vernonia noveboracensis* (L.) Willd.: II, Hopkinton, July 30, '35.

\*\* PUCCINIA ANDROPOGONIS **pentstemonis** (Schw.) n. comb. *Aecidium Pentstemonis* Schw. Schr. Nat. Ges. Leipzig 1: 68. 1822. (Arthur, *Manual Rusts U. S. and Canada*. 120. 1934). Variety of *Puccinia andropogonis* Schw. On *Chelone glabra* L.: O-I, Westerly, July 16, '35.

PUCCINIA PERIDERMIOSPORA (Ellis & Tr.) Arth. On \**Fraxinus americana* L.: O-I, Charlestown, Aug. 6, '35.

PUCCINIA SEYMOURIANA Arth. On \**Cephalanthus occidentalis* L.: O, Westerly, July 16, '35.

\*\* PUCCINIA RUBIGO-VERA **agropyrina** (Erikss.) n. comb. *Puccinia agropyrina* Erikss. Ann. Sci. Nat. VIII. 9: 273. 1899. (Arthur, *Manual Rusts U. S. and Canada*. 180. 1934). Variety of *Puccinia rubigo-vera* (DC.) Wint. On *Thalictrum polygamum* Muhl.: O, Westerly, July 16, '35.

PUCCINIA XANTHII Schw. On \**Xanthium canadense* Mill.: III, Westerly, Sept. 14, '35.

† PUCCINIA EXTENSICOLA **solidaginis** (Schw.) n. comb. *Aecidium Solidaginis* Schw. Schr. Nat. Ges. Leipzig 1: 68. 1822. (Arthur, *Manual Rusts U. S. and Canada*. 198. 1934). Variety of *Puccinia extensicola* Plowr. On \**Solidago sempervirens* L.: O-I, Block Island, July 17, '35.

\* PUCCINIA LIMOSAE Magn. On *Lysimachia quadrifolia* L.: O-I, Westerly, July 16, '35; O-I, Hopkinton, July 30, '35.

UROMYCES HOLWAYI Lagerh. On \**Lilium superbum* L.: III, Westerly, July 16, '35.

\* GYMNOSPORANGIUM ELLISHII (Berk.) Farl. On *Myrica carolinensis* Mill.: O-I, Charlestown, July 10, '32; O-I, Westerly, July 16, '35; III, Charlestown, July 10, '32. The telial stage was observed on *Chamaecyparis thyoides* (L.) B. S. P. but not collected.

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